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114

**From:** Desai, Anand  
**Sent:** Wednesday, July 14, 2004 2:00 PM  
**To:** STIC-Biotech/ChemLib  
**Subject:** Sequence search request for 10/664,775.

I have an application that is claiming a DNA composition comprising scaffold/matrix attachment regions (S/MAR) to express Factor VII or Factor VII fragments.

The S/MAR regions have been submitted as SEQ ID. NO: 1-5. The Factor VII protein has not been submitted. Can you search for a fusion of any one of SEQ ID. NO's : 1-5 with Factor VII or a fragment of Factor VII?

Please call if any problems.

Thanks.

Application number is 10/664,775  
Mailbox is Remsen 3C70

Anand Desai  
Patent Examiner  
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(571) 272-0947

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

**NCBI**

Protein

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy Book

Search **Protein** for

Limits Preview/Index History Clipboard Details

Display default Show: 20  File  Features

1: AAA88040. coagulation facto...[gi:182801]

LOCUS AAA88040 466 aa linear PRI 13-FEB-1996

DEFINITION coagulation factor VII.

ACCESSION AAA88040

VERSION AAA88040.1 GI:182801

DBSOURCE locus HUMFVII accession M13232.1

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 466)

AUTHORS Hagen, F.S., Gray, C.L., O'Hara, P.J., Grant, F.J., Saari, G.C., Woodbury, R.G., Hart, C.E., Insley, M., Kisiel, W., Kurachi, K. and Davie, E.W.

TITLE Characterization of a cDNA coding for human factor VII

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 83 (8), 2412-2416 (1986)

MEDLINE 86205965

PUBMED 3486420

COMMENT Draft entry and sequence in computer-readable form for [1] kindly provided by F.S.Hagen.  
[1] sequenced two alternatively spliced mRNAs that produced shortened signal peptides. One is presented as factor VIIb below.  
Method: conceptual translation.

FEATURES Location/Qualifiers

source 1..466  
/organism="Homo sapiens"  
/db\_xref="taxon:9606"  
/tissue\_type="liver"

Protein 1..466  
/product="coagulation factor VII"

sig\_peptide 1..60  
/note="factor VIIa signal peptide"

CDS 1..466  
/coded\_by="M13232.1:36..1436"  
/note="precursor for factor VIIa and b"

ORIGIN

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1 mvsqalrl1c lllglqgcla aggvakasgg etrdmpwkpg phrvfvtqee ahgvlhrrrr
61 anafleelrp gslereckee qcsfeearei fkdaertklf wisysdgdqc asspcqnggs
121 ckdqlqsyic fc1pafegrn cethkddqli cvnenggceq ycsdhtgtkr scrchegysl
181 ladgvscptp veypcgkipi lekrnaskpq grivggkvcp kgecpwqvll lvngaqlcgg
241 tlintiwvvs aahcfdkikn wrnliavlgc hdlsheidgde qsrrvaqvii pstyvpgttn
301 hdiallrlhq pvvltdhvvp lclpertfse rtlafvrfsl vsgwgqlldr gatalelmvl
361 nvprlmtqdc lqqsrkvgds pniteymfca gysdgskdsc kgdsggphat hyrgtwyltg
421 ivswgqgcatt vghfgvytrv sqyiewlqkl mrseprpgv1 lrapfp
//
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